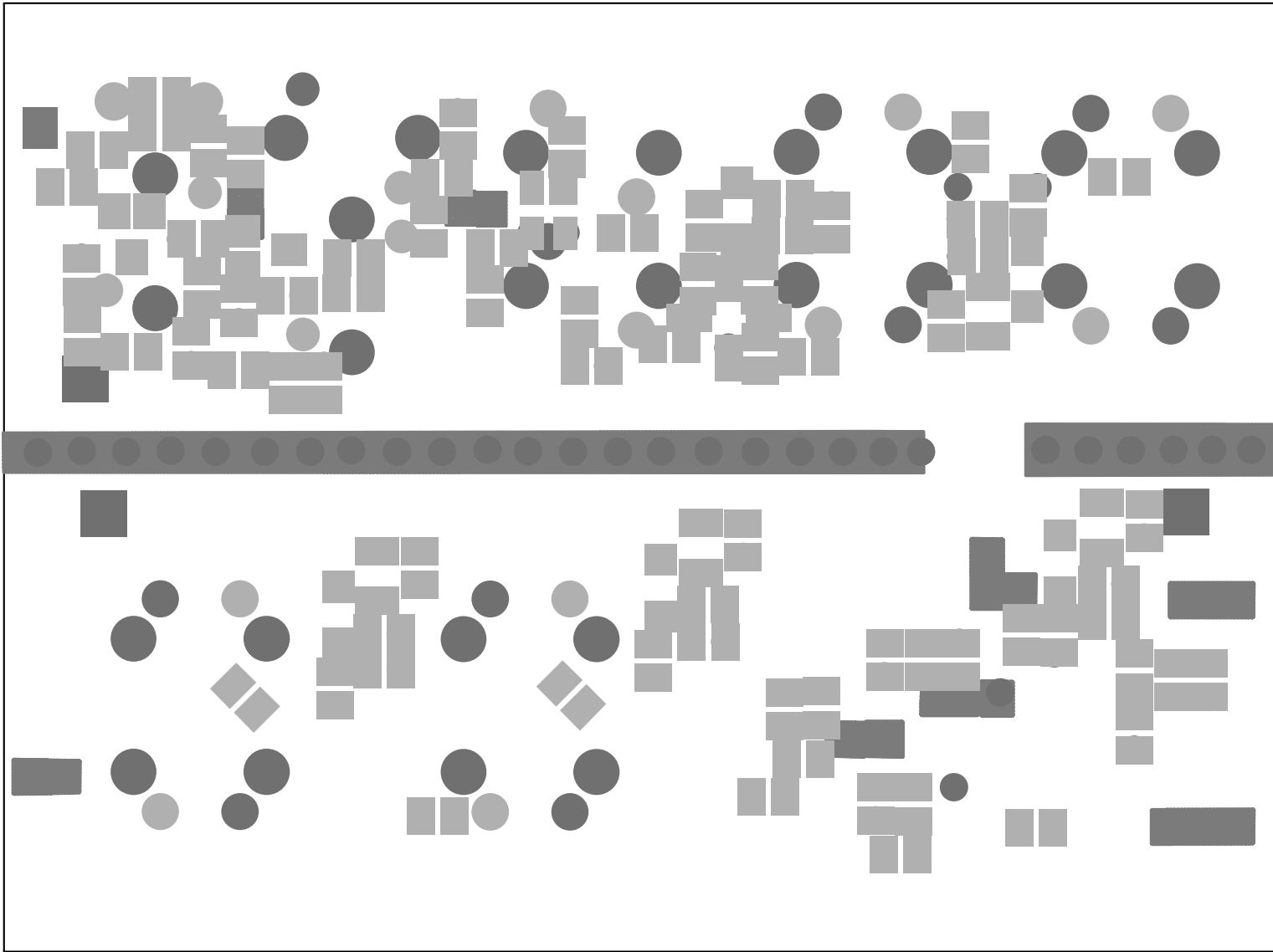
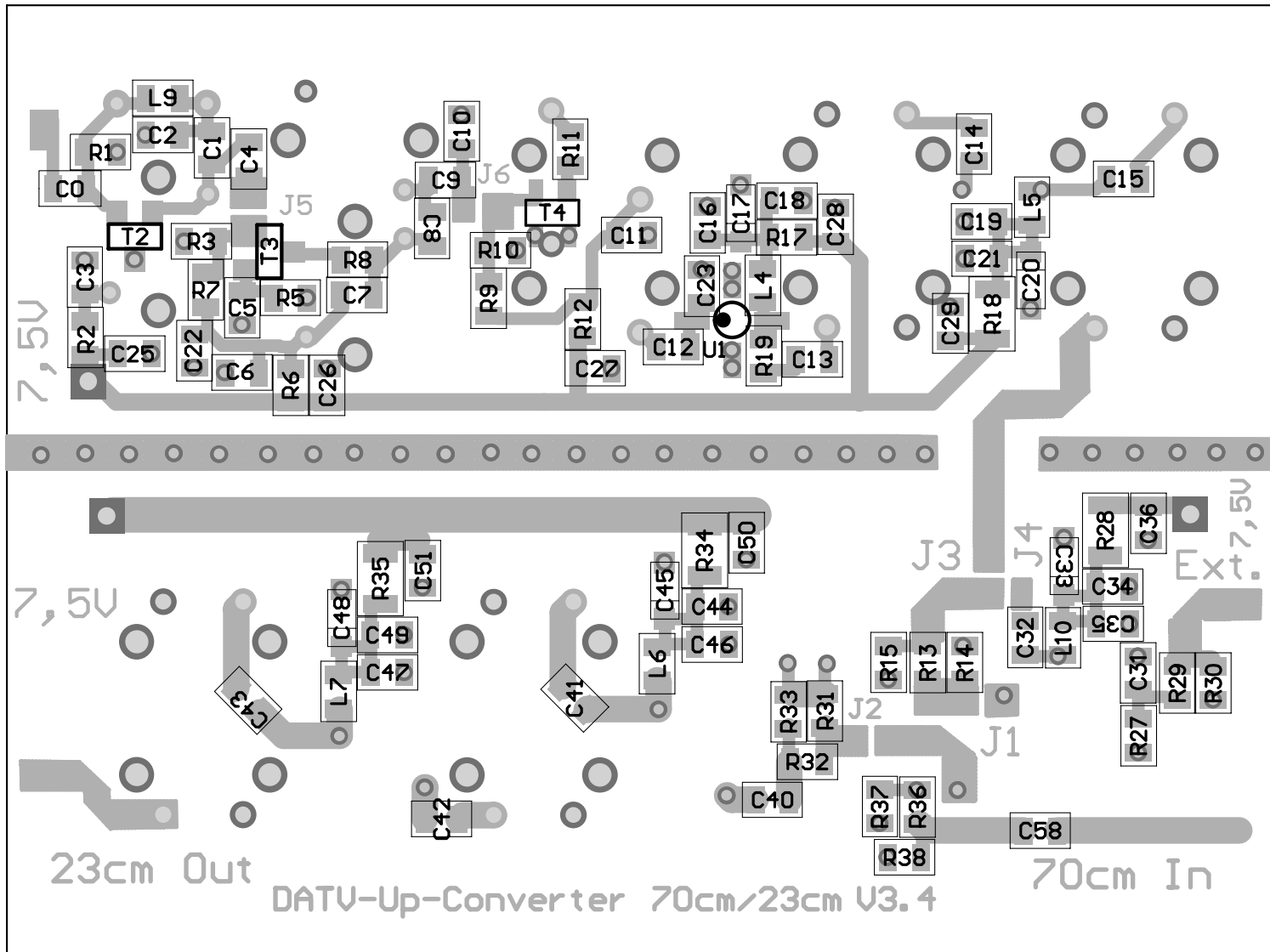


DATV - Up-Converter 70cm/23cm V3.4

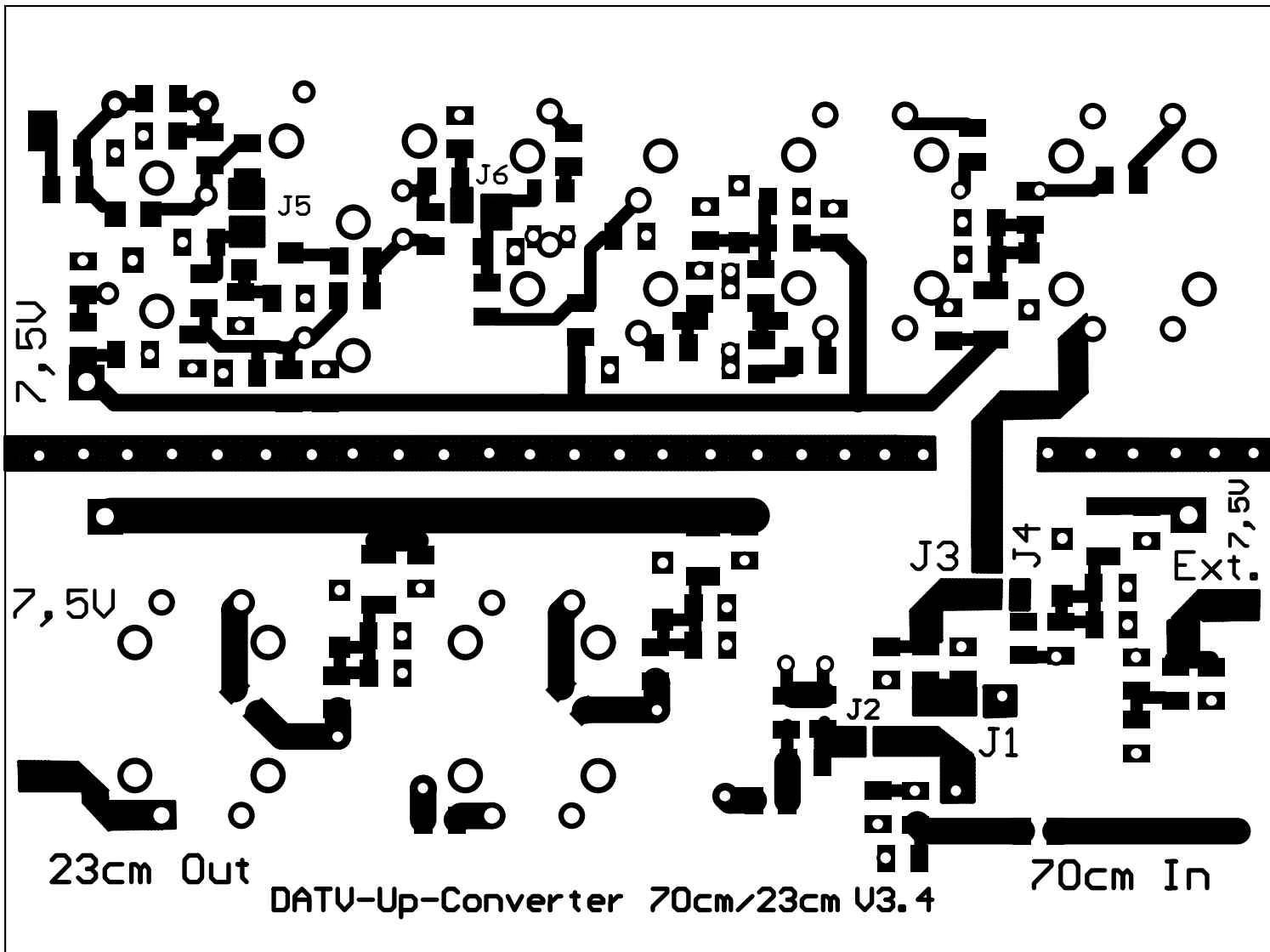
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70/23 DATV Up-Converter		
Size	Number	Revision
A3	V3.4	10.03.2004
Date:	11-Mar-2004	
File:	C:\D:\Profel\Projekte\Fertige Projekte\DATV\Up-Converter\70cm\Up-Converter23cm_V3.4.dwg	



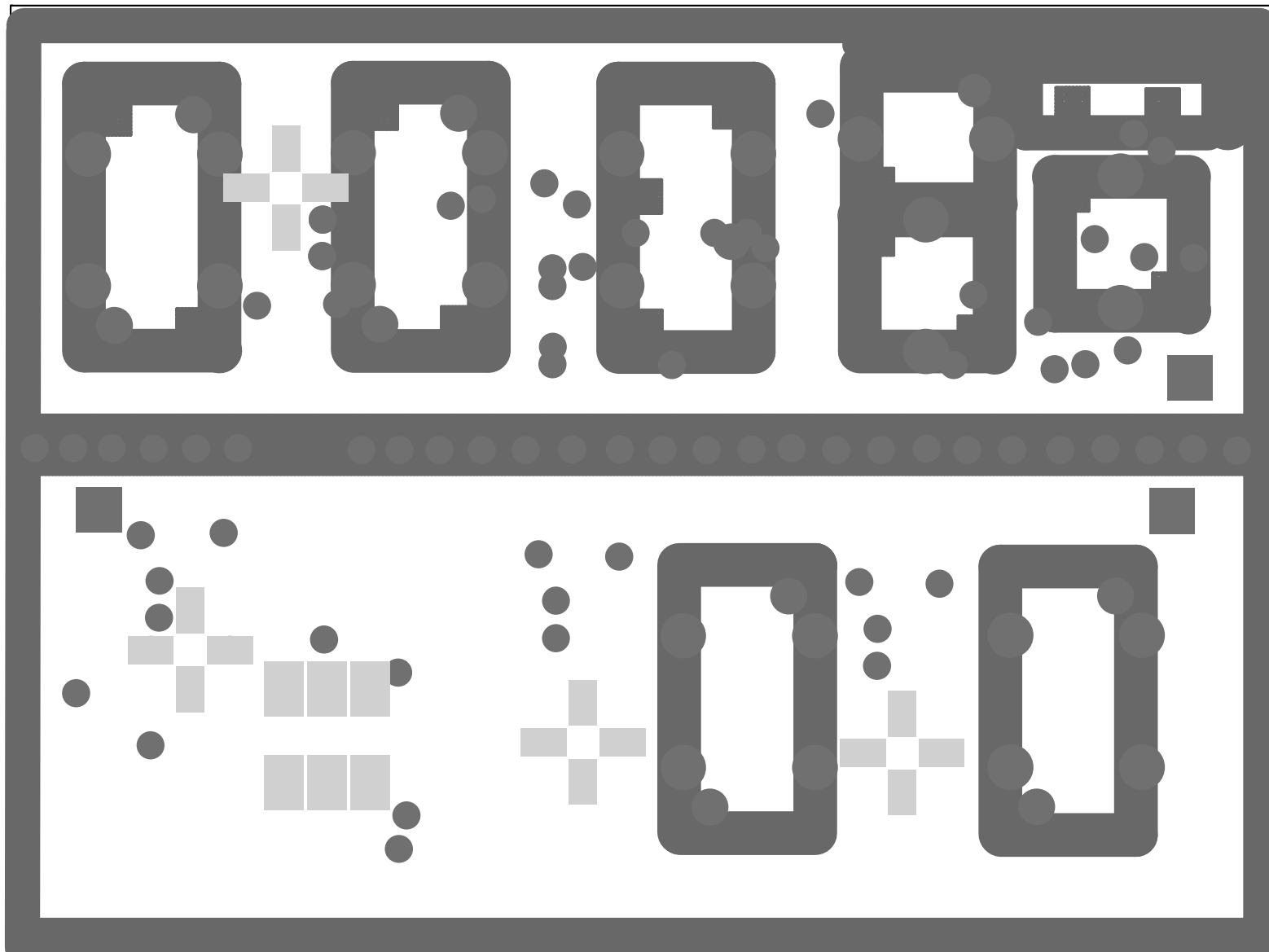
DATV – Up-Converter 70cm/23cm Version 3.4
Bottom Solder Mask



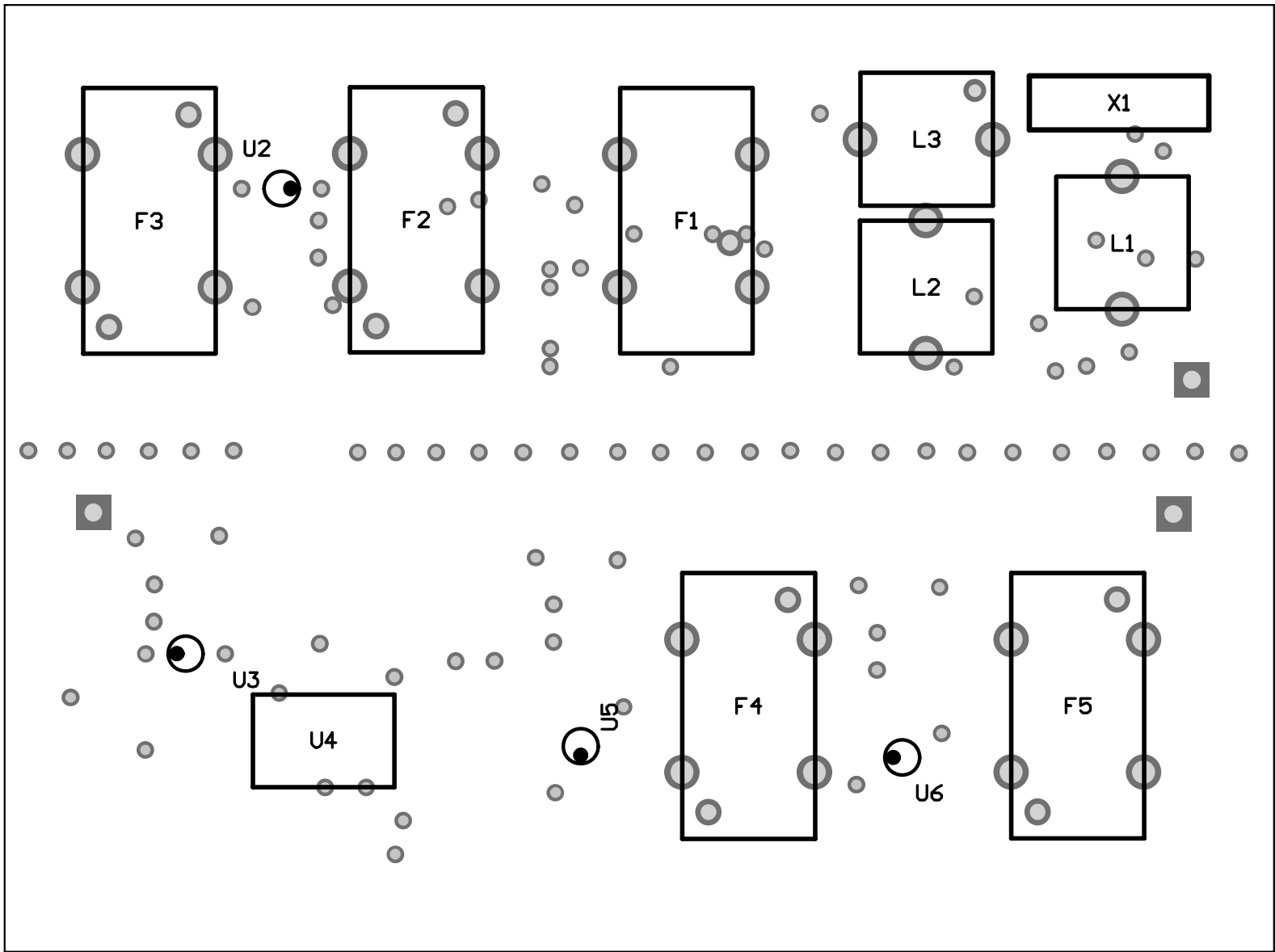
DATV – Up-Converter 70cm/23cm Version 3.4
Bottom Stuffing



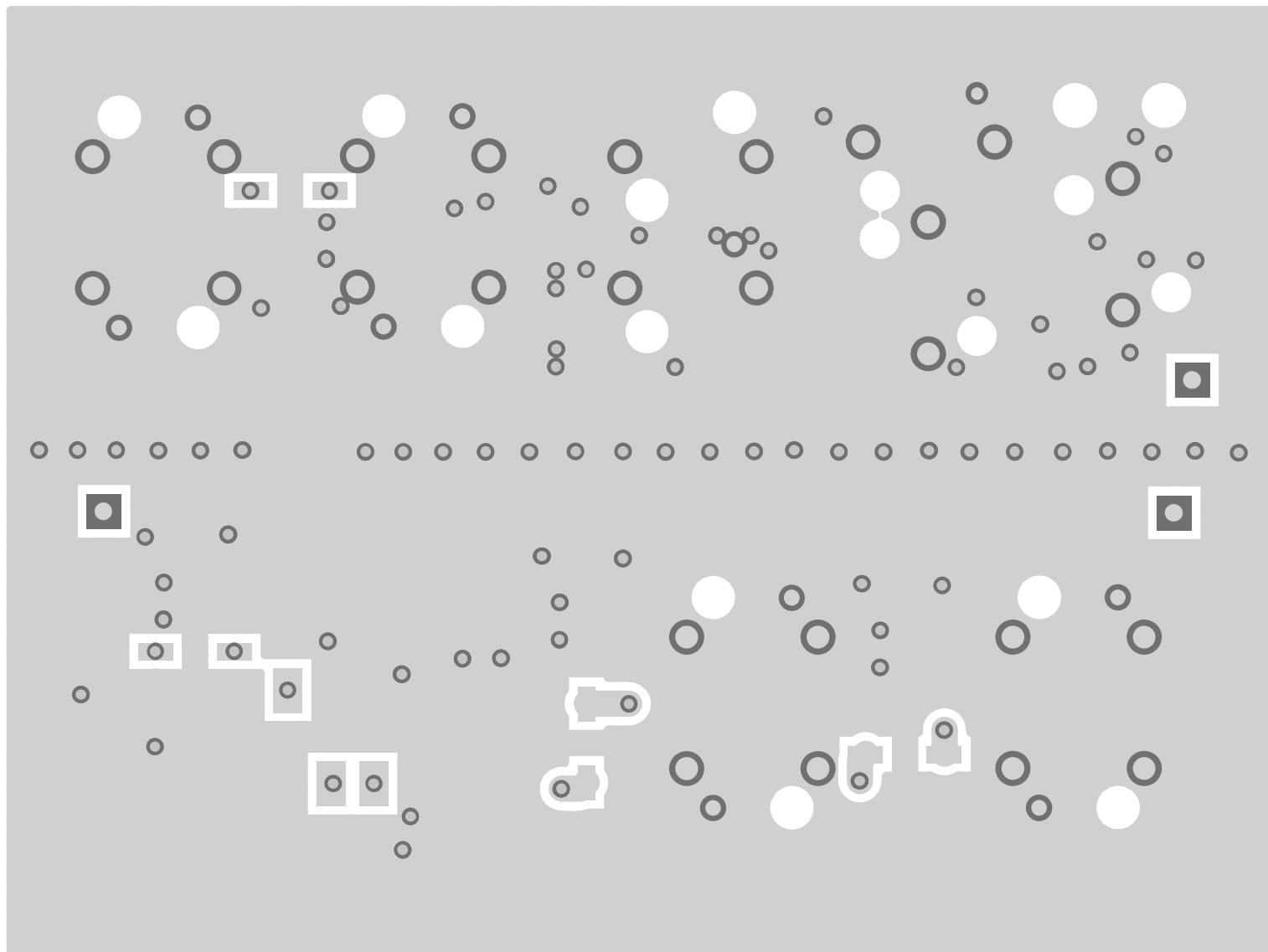
DATV – Up-Converter 70cm/23cm Version 3.4
Bottom Layer



DATV – Up-Converter 70cm/23cm Version 3.4
Top Solder Mask



DATV – Up-Converter 70cm/23cm Version 3.4
 Top Stuffing



DATV – Up-Converter 70cm/23cm Version 3.4
Top Layer

Designator	Part Type	Footprint	Description	Bezugsquelle
C0	100pF	0805E	Capacitor*	Bürklin
C01	27pF	0805E	Capacitor*	Bürklin
C02	100pF	0805E	Capacitor*	Bürklin
C03	10nF	0805E	Capacitor*	Bürklin
C04	1pF	0805E	Capacitor*	Bürklin
C05	68pF	0805E	Capacitor*	Bürklin
C06	10nF	0805E	Capacitor*	Bürklin
C07	15pF	0805E	Capacitor*	Bürklin
C08	1pF	0805E	Capacitor*	Bürklin
C09	18pF	0805E	Capacitor*	Bürklin
C10	68pF	0805E	Capacitor*	Bürklin
C11	10nF	0805E	Capacitor*	Bürklin
C12	5,6pF	0805E	Capacitor*	Bürklin
C13	56pF	0805E	Capacitor*	Bürklin
C14	10pF	0805E	Capacitor*	Bürklin
C15	10pF	0805E	Capacitor*	Bürklin
C16	22pF	0805E	Capacitor*	Bürklin
C17	1uF, 16V	TANKO_C3k	Capacitor	Bürklin
C18	1nF	0805E	Capacitor*	Bürklin
C19	22pF	0805E	Capacitor*	Bürklin
C20	1uF, 16V	TANKO_C3k	Capacitor	Bürklin
C21	1nF	0805E	Capacitor*	Bürklin
C22	10nF	0805E	Capacitor*	Bürklin
C23	1,5pF	0805E	Capacitor*	Bürklin
C25	10nF	0805E	Capacitor*	Bürklin
C26	10nF	0805E	Capacitor*	Bürklin
C27	10nF	0805E	Capacitor*	Bürklin
C28	10nF	0805E	Capacitor*	Bürklin
C29	10nF	0805E	Capacitor*	Bürklin
C31	10pF	0805E	Capacitor*	Bürklin
C32	10pF	0805E	Capacitor*	Bürklin
C33	1uF, 16V	TANKO_C3K	Capacitor*	Bürklin
C34	22pF	0805E	Capacitor*	Bürklin
C35	1nF	0805E	Capacitor*	Bürklin
C36	10nF	0805E	Capacitor*	Bürklin
C40	82pF	0805E	Capacitor*	Bürklin
C41	82pF	0805E	Capacitor*	Bürklin
C42	82pF	0805E	Capacitor*	Bürklin
C43	82pF	0805E	Capacitor*	Bürklin
C44	47pF	0805E	Capacitor*	Bürklin
C45	1uF, 16V	TANKO_C3K	Capacitor*	Bürklin
C46	1nF	0805E	Capacitor*	Bürklin
C47	47pF	0805E	Capacitor*	Bürklin
C48	1uF, 16V	TANKO_C3K	Capacitor*	Bürklin

C49	1nF	0805E	Capacitor*	Bürklin
C50	10nF	0805E	Capacitor*	Bürklin
C51	10nF	0805E	Capacitor*	Bürklin
C58	100pF	0805E	Capacitor*	Bürklin
F1		NEOSID-7.2E/C_610	Helical F.	Neosid
F2		NEOSID-7.2G_1690	Helical F.	Neosid
F3		NEOSID-7.2G_1690	Helical F.	Neosid
F4		NEOSID-7.2G_1300	Helical F.	Neosid
F5		NEOSID-7.2G_1300	Helical F.	Neosid
L1	100nH	NEOSID 7.1E 6,5W,FB100B	var.Inductor	Neosid
L10	22nH	0805E Würth WE-MK 0805	Inductor	Würth
L2	50nH	NEOSID 7.1E 4,5W,MS	var.Inductor	Neosid
L3	50nH	NEOSID 7.1E 4,5W,MS	var.Inductor	Neosid
L4	22nH	0805E Würth WE-MK 0805	Inductor	Würth
L5	22nH	0805E Würth WE-MK 0805	Inductor	Würth
L6	27nH	0805E Würth WE-MK 0805	Inductor	Würth
L7	27nH	0805E Würth WE-MK 0805	Inductor	Würth
L9	470nH	0805E Würth WE-MK 0805	Inductor	Würth
R1	220R	0805E	Resistor**	Bürklin
R10	2,7k	0805E	Resistor**	Bürklin
R11	10R	0805E	Resistor**	Bürklin
R12	100R	0805E	Resistor**	Bürklin
R13	36R	0805E	Resistor**	Bürklin
R14	150R	0805E	Resistor**	Bürklin
R15	150R	0805E	Resistor**	Bürklin
R17	360R	0805E	Resistor**	Bürklin
R18	39R	1206E	Resistor**	Bürklin
R19	10R	0805E	Resistor**	Bürklin
R2	100R	0805E	Resistor**	Bürklin
R27	180R	0805E	Resistor**	Bürklin
R28	39R	1206E	Resistor**	Bürklin
R29	30R	0805E	Resistor**	Bürklin
R3	2,7k	0805E	Resistor**	Bürklin
R30	180R	0805E	Resistor**	Bürklin
R31	220R	0805E	Resistor**	Bürklin
R32	24R	0805E	Resistor**	Bürklin
R33	220R	0805E	Resistor**	Bürklin
R34	39R	0805E	Resistor**	Bürklin
R35	39R	1206E	Resistor**	Bürklin
R36	150R	0805E	Resistor**	Bürklin
R37	68R	0805E	Resistor**	Bürklin
R38	68R	0805E	Resistor**	Bürklin
R5	150R	0805E	Resistor**	Bürklin

R6	100R	0805E	Resistor**	Bürklin
R7	27k	0805E	Resistor**	Bürklin
R8	22R	0805E	Resistor**	Bürklin
R9	27k	0805E	Resistor**	Bürklin
T2	J310	SOT23Z	FET	Eisch-Kafka
T3	BFR92A	SOT23Z	NPN Transistor	Eisch-Kafka
T4	BFG93A	SOT-143B	NPN Transistor	Eisch-Kafka
U1	SGA 2486	W105	Amplifier	ACAL
U2	SGA 6486	W105	Amplifier	ACAL
U3	SGA 6486	W105 S-Microdevices MMIC	Amplifier	ACAL
U4	ADE-11X	CD636 Mini-Circuits	Mixer	Municom
U5	SGA 6486	W105 S-Microdevices MMIC	Amplifier	ACAL
U6	SGA 6486	W105 S-Microdevices MMIC	Amplifier	ACAL
X1	93,833MHz	XTAL-1 (20500J1M1070HC49)	Crystal	Quarztechnik
		Weißblechgehäuse (55,5x74)cm		Eisch-Kafka

* SMD Keramik-Vielschichtkondensatoren Reihe COG

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